

TRAK HEALTH H.M.I.S

SINIKITHEMBA HIV CLINIC McCORD HOSPITAL



DURBAN KWAZULU NATAL



BASIC BACKGROUND

WHAT IS TRAK HEALTH?

- Developed in Australia, used in Australia, Europe, Asia & South America
- Customized and refined at McCord Hospital for the H.I.V Clinic Sinikithemba
- Web Based, Comprehensive Electronic Patient Record

WHO USES IT?

 All staff members (Admin, Counsellors, Nurses, Clinicians and Pharmacists)

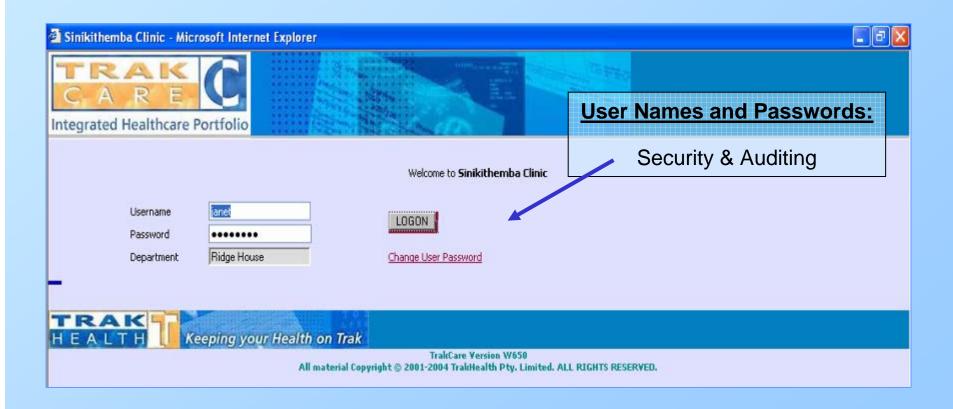
WHEN IS IT USED?

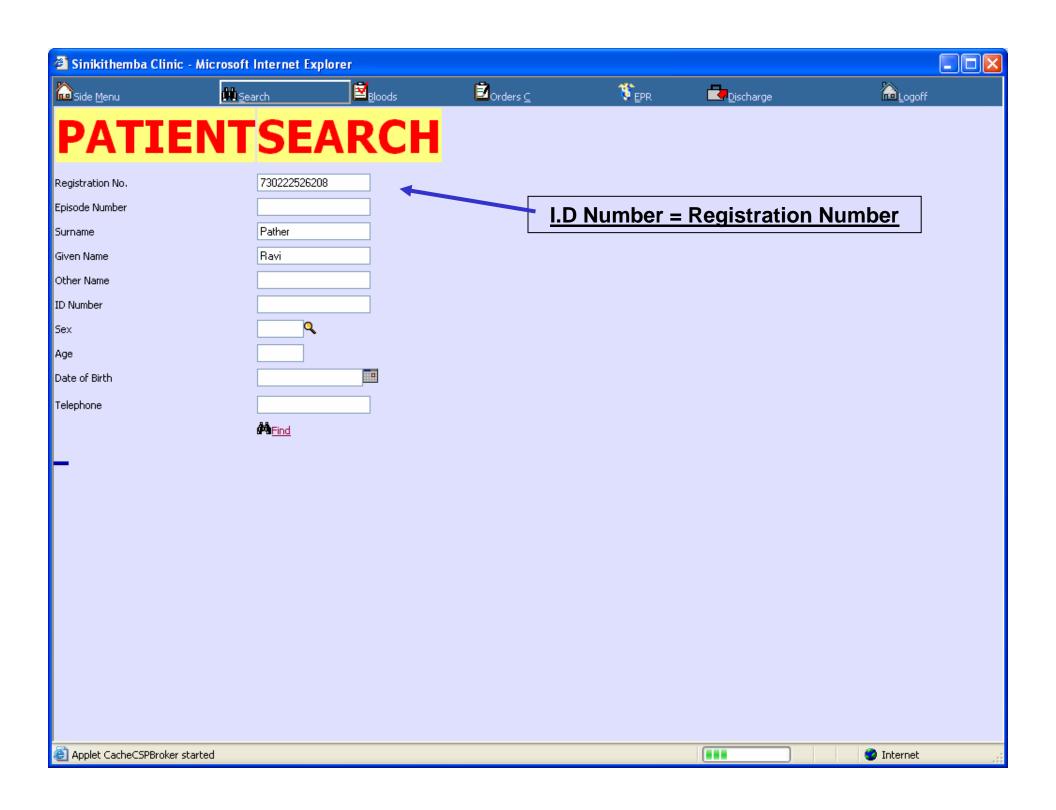
- For every single patient
- Real time record
- From initial visit and for every subsequent visit

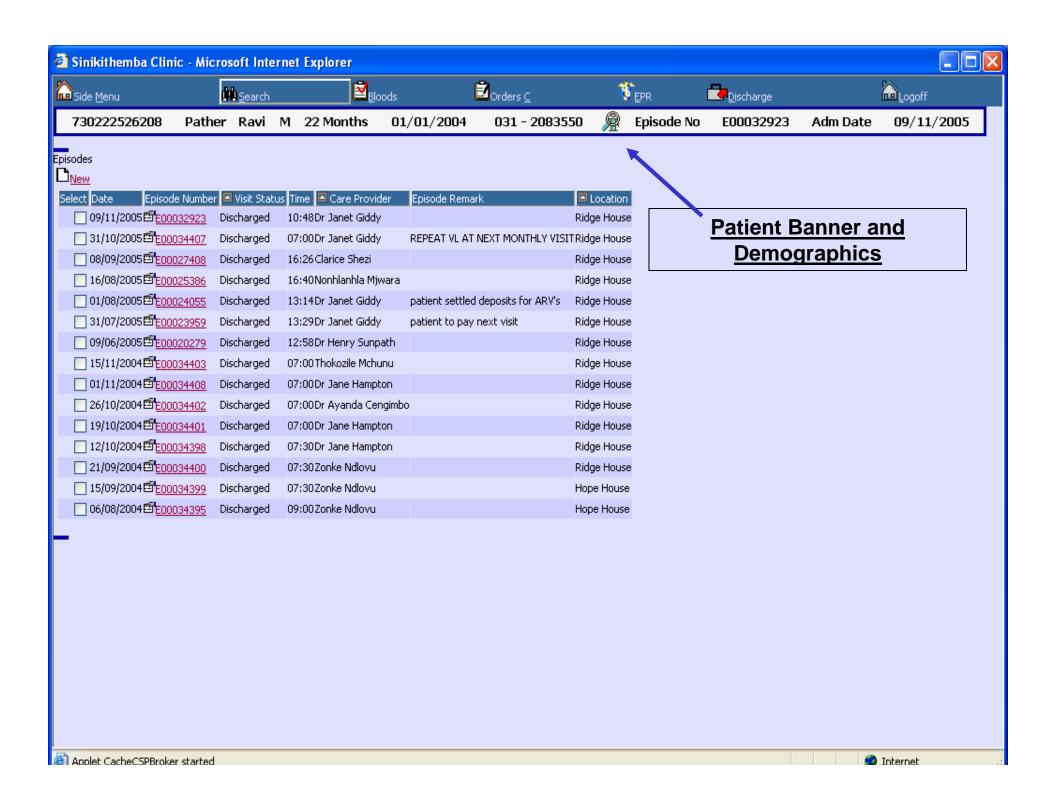
APPLICATION 1 – CLINICAL CARE

ELECTRONIC PATIENT RECORD

Moving from PaperPaperless

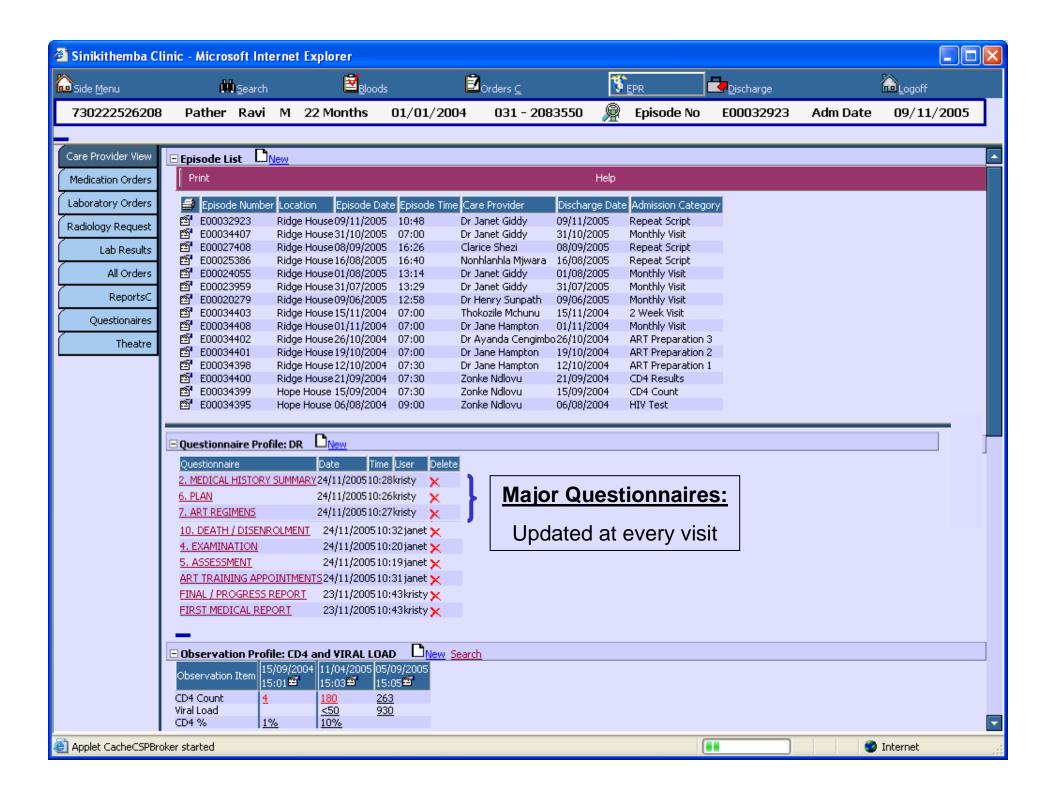


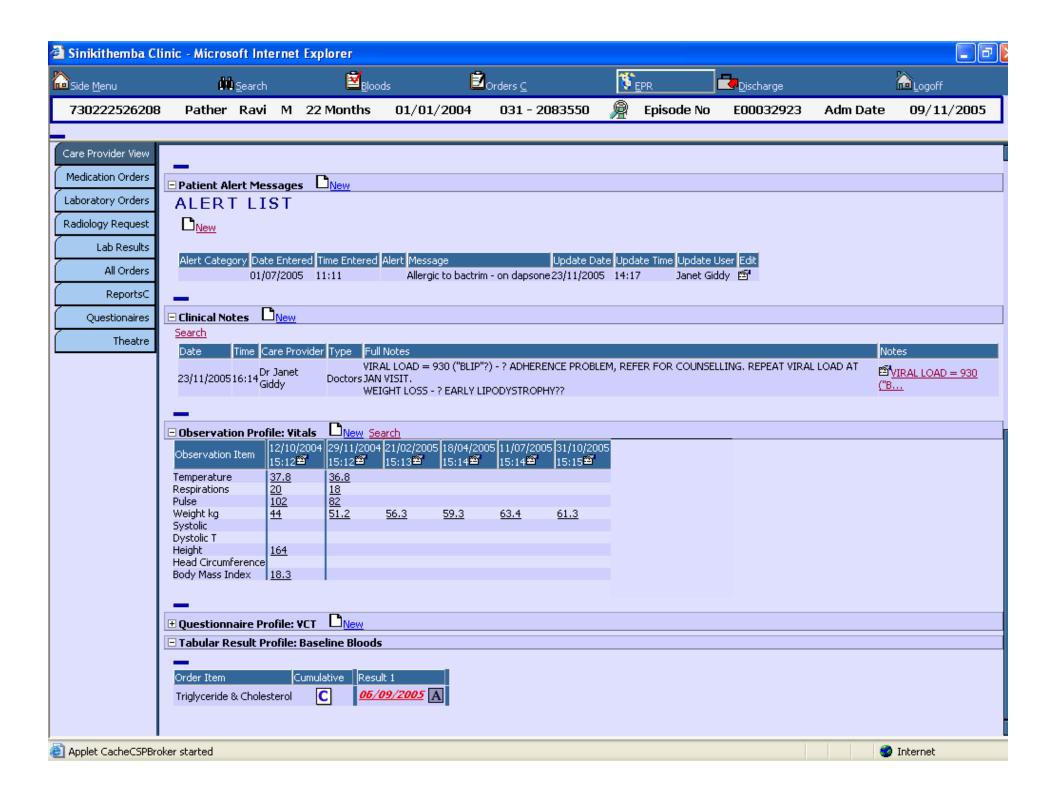




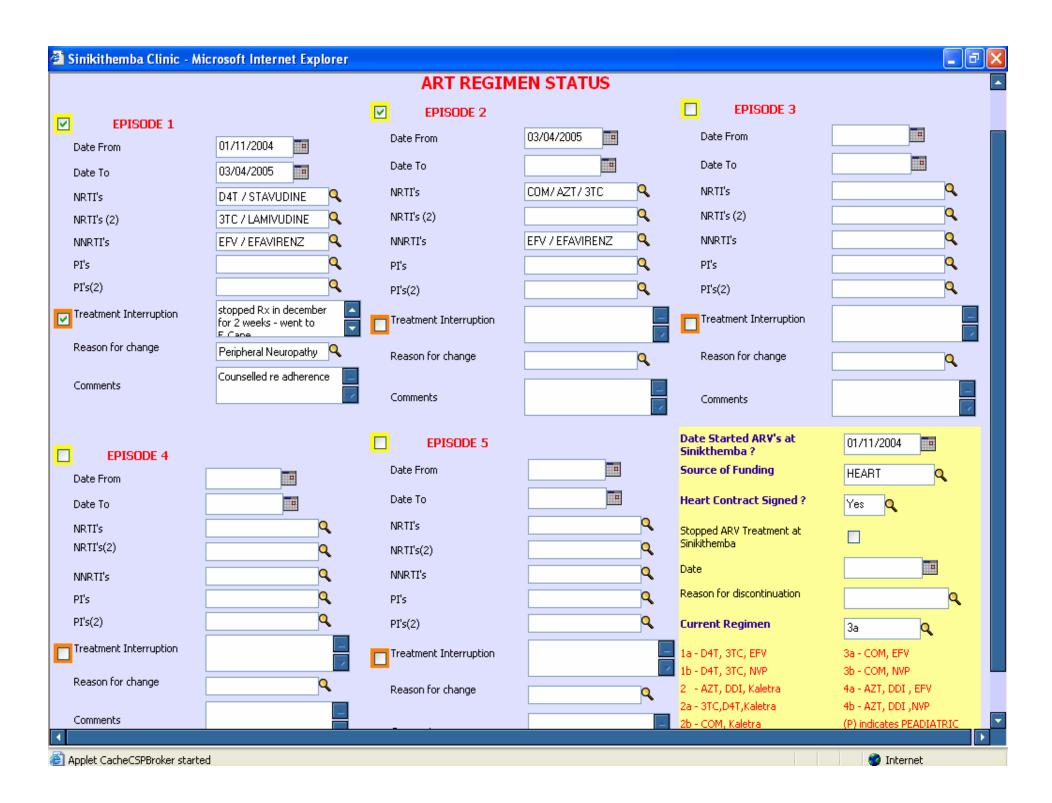
Applet CacheCSPBroker started

Internet

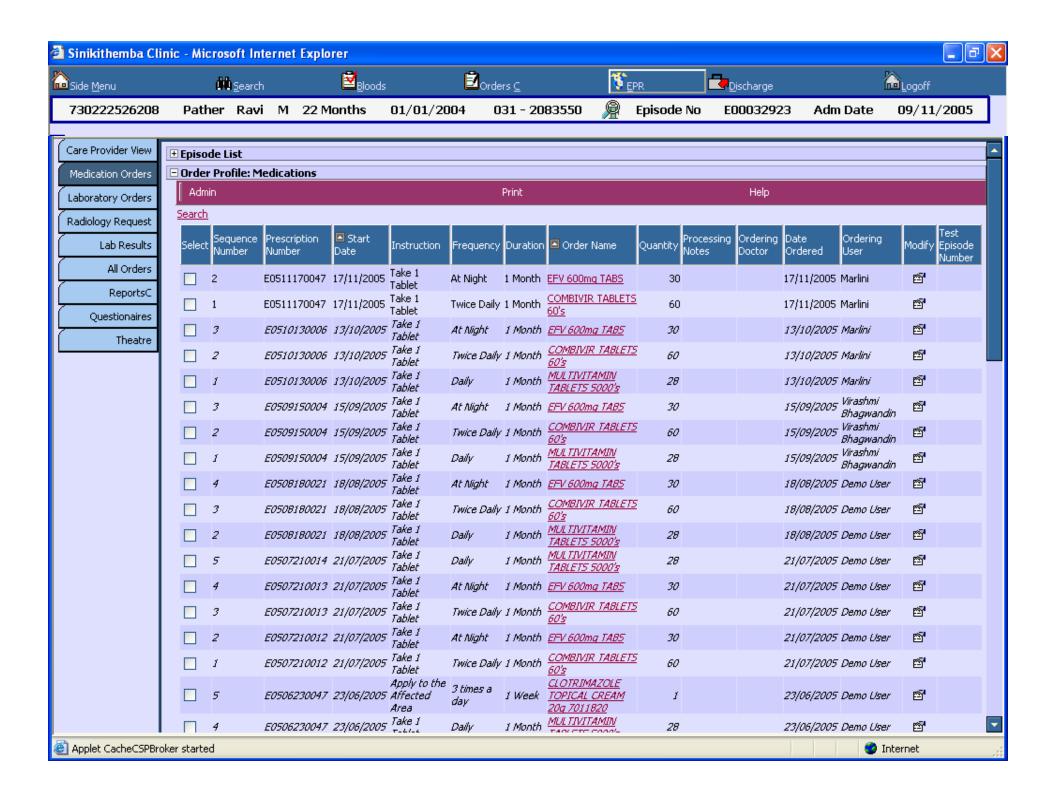




| Sinikithemba Cl | inic - Microsoft Internet Explore | r | | | | | | | | |
|--|-----------------------------------|--------------------------------------|--------------------------------|------------------------|------------------|------------|--|--|--|--|
| MEDICAL HISTORY SUMMARY | | | | | | | | | | |
| TUBERCULOSIS CONTROL OF THE PROPERTY OF THE PR | | | | | | | | | | |
| ТВ | NONE | MDR? | | | | | | | | |
| | | | | | | | | | | |
| Episode 1 | 01 /00 /2004 | Episode 2 | med. | Episode 3 | | | | | | |
| Date From | 01/09/2004 | Date From | | Date From | | | | | | |
| Date To | 30/04/2005 | Date To | | Date To | | | | | | |
| Specify | Extrapulmonary | Specify | Q | Specify | | | | | | |
| Notes | TB abdomen - abd U/S | Notes | TUEFOTTONO | Notes | | | | | | |
| MED | ICAL HISTORY | OPPORTUNISTIC . | INFECTIONS | SIDE | EFFECTS | | | | | |
| | Notes | | | | | | | | | |
| Malignancy | | | Details | | Date From Date T | D | | | | |
| Respiratory | | | | Rash | | III | | | | |
| Renal | | _ 10 | / | Anaemia | 1111 | 111 | | | | |
| Hepatic | | PCP | | Pancreatitis | | | | | | |
| Diabetes Mellitus | | Kaposi | | Hepatitis | | III | | | | |
| Hypertension | | ☐ | | Lipodystrophy | 110 | ΠB | | | | |
| Mental | | Toxoplosmosis | | Peripheral Neuropathy | 01/03/2005 | | | | | |
| Cardiac | | Cryptococcal Meningitis | admitted to hospital | Diarrhoea | 1111 | III | | | | |
| ✓ STI | recurrent ulcers | | | Lactic Acidosis | | III | | | | |
| Other | | Chronic Diarhhoea | off and on all through 2004 | Hyperlipidemia | 1111 | | | | | |
| Psycho-Social has not discolosed | | CMV Retinitis | | Side Effects Other | | | | | | |
| to partner | | | | changed regimen bec of | | | | | | |
| Additional Notes | | ✓ Other OI's oesophageal candidiasis | | PN in April 05 | | | | | | |
| | | | | | | | | | | |
| | | ✓ <u>Update</u> | | | | | | | | |
| 1 | | | | | | F | | | | |
| Applet CacheCSPBro | oker started | | | | Internet | | | | | |

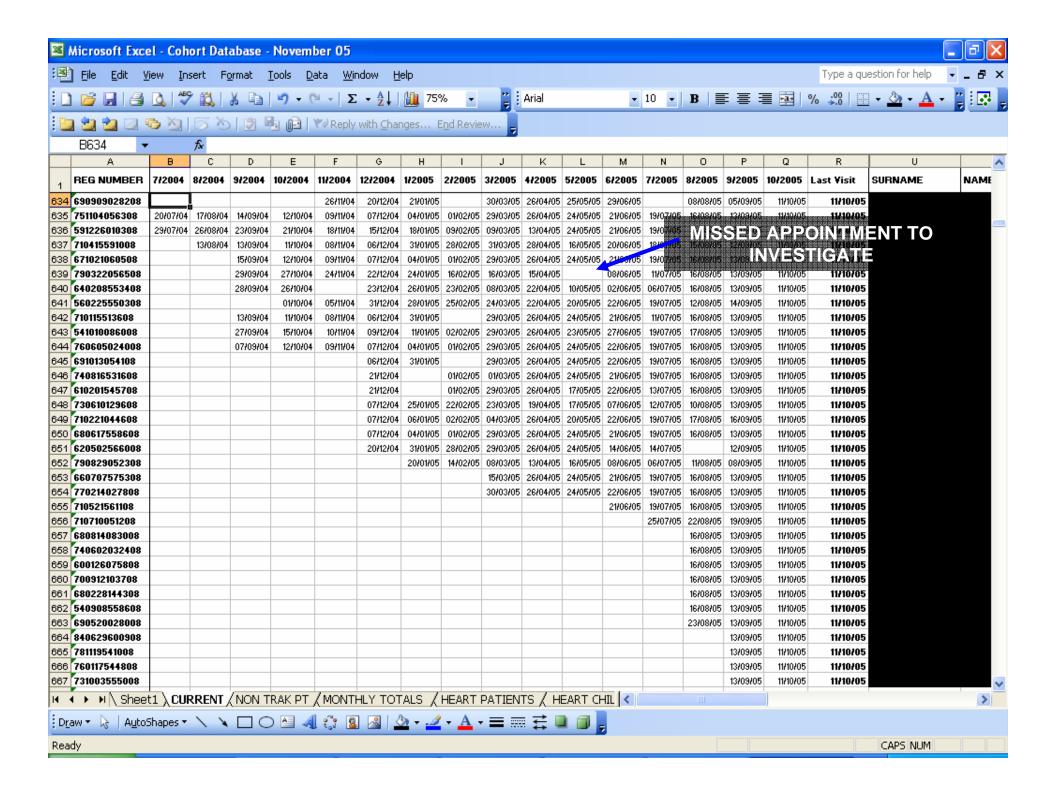


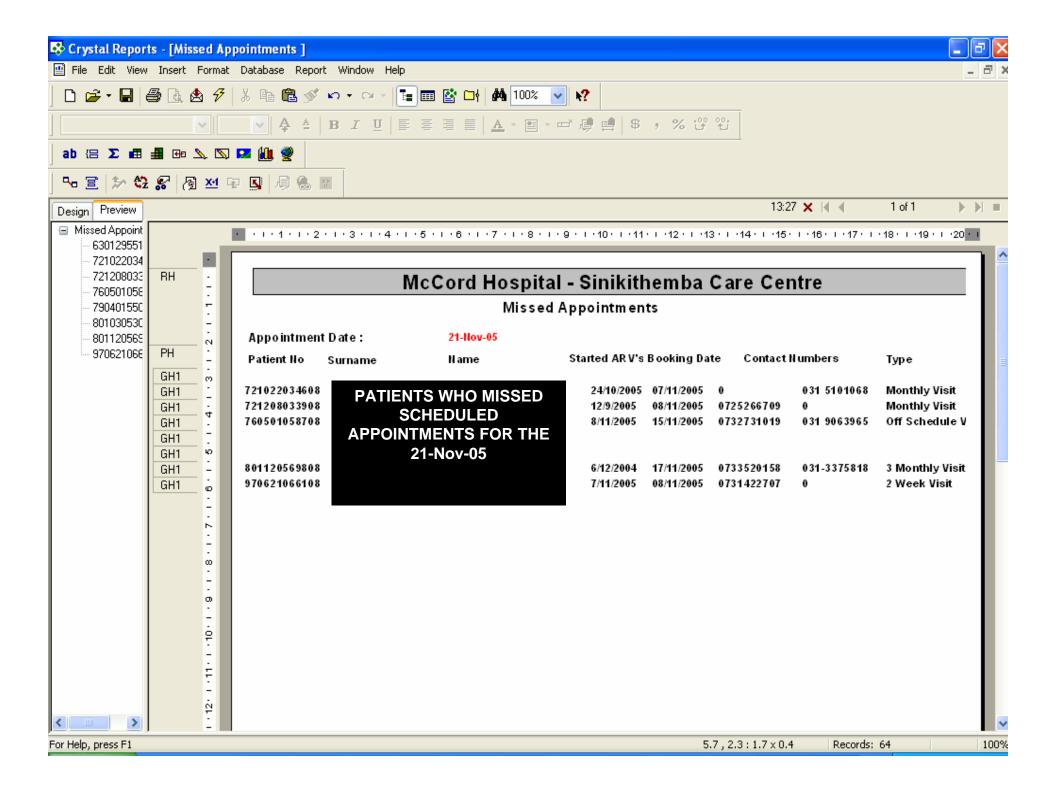
| Sinikithemba | Clinic - Microsof | t Internet Explorer | | | | | | | | |
|------------------------|-------------------|-----------------------|-----------------------------------|--|--|--|--|--|--|--|
| PLAN | | | | | | | | | | |
| INVESTIGATIONS ORDERED | | | | | | | | | | |
| | | | 23/11/2005 | | | | | | | |
| LABORATORY FBC | LACTATE | CK | | | | | | | | |
| ESR | Tgr/Chol | SPUTUM CULTURE | | | | | | | | |
| U&E | GLUCOSE | MANTOUX | | | | | | | | |
| LFT | AMYLASE | FNA | MEDICATION ARV's 1a Q | | | | | | | |
| ALT / AST | LIPASE | PAP SMEAR | Bactrim | | | | | | | |
| □ CD 4 | ✓ V/L | SPUTUM AFB | Fluconazole | | | | | | | |
| | WR | LABARATORY OTHER | Other | | | | | | | |
| | | | DAPSONE, AMITRYPTALLINE | | | | | | | |
| RADIOLOGY | | Lumbar Puncture | AMITRYPTALLINE | | | | | | | |
| | Date | Number | | | | | | | | |
| Chest X-Ray | | | | | | | | | | |
| Ultrasound | | | | | | | | | | |
| REFERRAL DETAILS | | | | | | | | | | |
| None | | In Patient Care | | | | | | | | |
| TB Treatment / | Dot Program | Mccord's | | | | | | | | |
| Counselling | | Other | APPOINTMENT DETAILS | | | | | | | |
| Psychosocial | | | Repeat Script Date (1) 22/11/2005 | | | | | | | |
| ✓ Adherence | | Provincial Services | Repeat Script Date (2) 20/12/2005 | | | | | | | |
| Support Service | es | SEND TO COUNSELLOR AT | | | | | | | | |
| Psychology | | COUNSELLOR AT | | | | | | | | |
| Social Worker | | Mccord Clinics | Type of Consult 3 Monthly Visit | | | | | | | |
| Pastoral | | Q | | | | | | | | |
| Referral Comme | ents | • | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

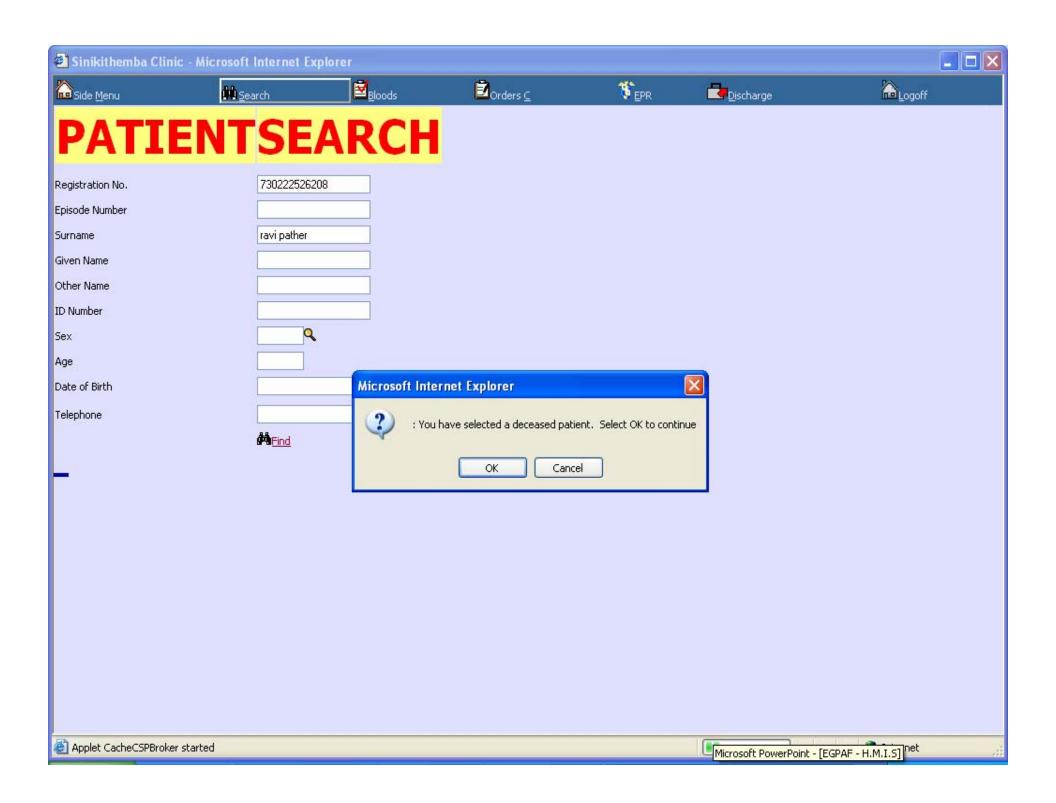


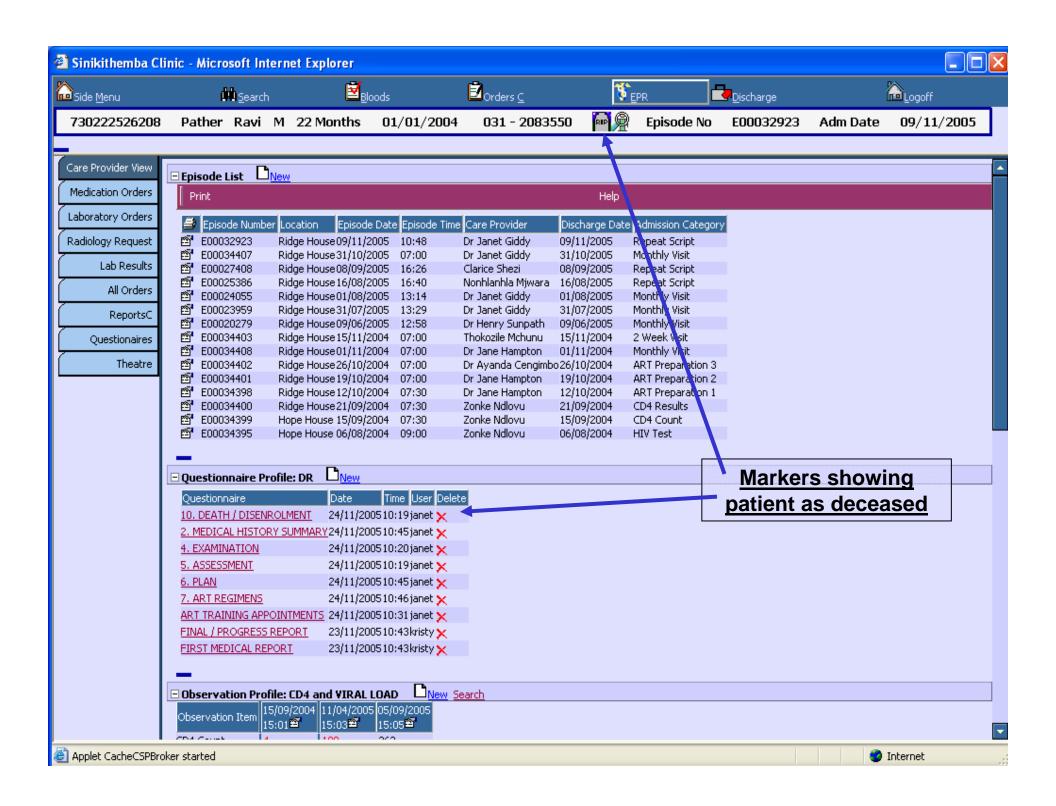
APPLICATION 2 – M & E

- GENERATING REPORTS (Using Crystal Report Writer)
 - Operational Informing Clinic Function
 Example: Missed Appointment Report
 - Funders Accountability
 Example: Monthly C.D.C Report
 - Research Informing Clinical Practices
 Example: Mortality Rates in H.I.V patients









CHALLENGES

CUSTOMIZING REQUIRED

 Dynamic and ongoing process for both Trak Health and the supporting Clinic systems

MAINTAINING DATA INTEGRITY

- Triangulating Data: Hard copy vs. Electronic
- "Downtime" or Glitches in the system
- Staff buy-in and commitment

STAFF TRAINING

Sessional staff and TRAK HEALTH updates

CHALLENGES

- I.T EXPERTIZE REQUIRED
 - Support and Crystal report writing
- ANALYZING DATA
 - Specialized Function

BUT OVERALL – TRAK HEALTH HAS TRANSFORMED OUR CLINIC, CLINICAL PRACTICES AND M&E!



THANK YOU!

ACKNOWLEDGEMENTS

- Mr H. Sandberg
- Mr R. Pather

TRAK HEALTH Team

- Mr J. Carroll (McCord Financial Director)
- Dr H. Holst (Hospital Superintendent)
- Dr J. Giddy (H.I.V Programme Co-ordinator)
- Mrs K. Nixon (M&E Department)

